

## 2005 Urban Water Management Plan "Review for Completeness" Form

### Coordination with Appropriate Agencies

(Water Code § 10620 (d)(1)(2))

**YES**

Participated in area, regional, watershed or basin wide plan

Chapter 1, Pages 1-2, 1-5 through 1-8

Name of plan 2005 Urban Water Management Plan For Municipal Water District of Orange County

Lead Agency MWDOC

**YES**

Describe the coordination of the plan preparation and anticipated benefits.

Chapter 1, Pages 1-5 through 1-9

| Table 1<br>Coordination with Appropriate Agencies |                                     |                        |                          |                              |                                   |   |                               |
|---|-------------------------------------|------------------------|--------------------------|------------------------------|-----------------------------------|---|-------------------------------|
| Check at least one box on each row                | Participated in developing the plan | Commented on the draft | Attended public meetings | Was contacted for assistance | Was sent a copy of the draft plan | Was sent a notice of intention to adopt | Not Involved / No Information |
| City of Yorba Linda                               |                                     | √                      |                          |                              | √                                 | √                                       |                               |
| YLWD  | √                                   | √                      |                          | √                            | √                                 |   |                               |
| Metropolitan                                      |                                     |                        |                          |                              |                                   | √                                       |                               |
| SCWC  |                                     |                        |                          |                              |                                   | √                                       |                               |
| MWDOC   | √                                   |                        |                          | √                            |                                   | √                                       |                               |
| Risk Management Professionals                     | √                                   |                        | √                        |                              |                                   |   |                               |
| City of Brea                                      |                                     |                        |                          |                              |                                   | √                                       |                               |
| City of Anaheim                                   |                                     |                        |                          |                              |                                   | √                                       |                               |
| City of Placentia                                 |                                     |                        |                          |                              |                                   | √                                       |                               |

### Describe resource maximization / import minimization plan

(Water Code §10620 (f))

**YES**

Describe how water management tools / options maximize resources & minimize need to import water

Chapter 7, Pages 7-1 through 7-3

Chapter 3, Pages 3-1, 3-11, 3-17

### Plan Updated in Years Ending in Five and Zero

(Water Code § 10621(a))

**YES**

Date updated and adopted plan received 12/22/2005 (enter date)

Appendix A

### City and County Notification and Participation

(Water Code § 10621(b))

**YES**

Notify any city or county within service area of UWMP of plan review & revision

Chapter 1, Pages 1-5 through 1-7

**YES**

Consult and obtain comments from cities and counties within service area

Chapter 1, Pages 1-5 through 1-7

### Service Area Information

Water Code § 10631 (a))

**YES**

Include current and projected population

Chapter 2, Page 2-4

**YES**

Population projections were based on data from state, regional or local agency

Chapter 2, Page 2-4

| Table 2<br>Population - Current and Projected |        |        |        |        |        |            |
|---|--------|--------|--------|--------|--------|------------|
|   | 2005   | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| Service Area Population                       | 62,496 | 65,773 | 67,256 | 68,055 | 68,481 | 68,576     |

**YES** Describe climate characteristics that affect water management

Chapter 2, Pages 2-5, 2-6

**YES** Describe other demographic factors affecting water management

Chapter 3, Page 3-20

Chapter 2, Page 2-7

| Table 3<br>Climate   |         |          |       |       |      |      |
|----------------------|---------|----------|-------|-------|------|------|
|                      | January | February | March | April | May  | June |
| Standard Average ETo | 2.18    | 2.49     | 3.67  | 4.71  | 5.18 | 5.87 |
| Average Rainfall     | 2.5     | 2.3      | 2.3   | 0.8   | 0.3  | 0.1  |
| Average Temperature  | 57.7    | 58.8     | 60.1  | 63.3  | 66.4 | 70.4 |

| Table 3 (continued)<br>Climate |      |        |           |         |          |          |        |
|--------------------------------|------|--------|-----------|---------|----------|----------|--------|
|                                | July | August | September | October | November | December | Annual |
| Average ETo                    | 6.29 | 6.17   | 4.57      | 3.66    | 2.59     | 2.25     | 49.63  |
| Average Rainfall               | 0    | 0.1    | 0.4       | 0.3     | 1.7      | 1.8      | 12.60  |
| Average Temperature            | 74.2 | 75.4   | 74        | 69.1    | 62.7     | 58.2     | 65.86  |

#### Water Sources

(Water Code § 10631 (b))

**YES** Identify existing and planned water supply sources

Chapter 3, Pages 3-1 through 3-15, 3-21

**YES** Provide current water supply quantities

Chapter 3, Pages 3-3

**YES** Provide planned water supply quantities

Chapter 3, Pages 3-3

| Table 4<br>Current and Planned Water Supplies - AFY  |        |        |        |        |        |            |
|--|--------|--------|--------|--------|--------|------------|
| Water Supply Sources                                 | 2005   | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| Water purchased from:                                |        |        |        |        |        |            |
| Metropolitan Water District of Southern California   |        |        |        |        |        |            |
| Municipal Water District of Orange County            | 12,987 | 11,280 | 12,394 | 12,694 | 12,619 | 12,546     |
| Orange County Water District (Lower Santa Ana Basin) | 11,644 | 14,759 | 14,444 | 14,623 | 14,919 | 15,134     |

|                                   |               |               |               |               |               |               |
|-----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| California Domestic Water Company |               |               |               |               |               |               |
| Supplier produced groundwater     |               |               |               |               |               |               |
| Supplier surface diversions       |               |               |               |               |               |               |
| Transfers in or out               |               |               |               |               |               |               |
| Exchanges In or out               |               |               |               |               |               |               |
| Recycled Water (projected use)    |               |               |               |               |               |               |
| Desalination                      |               |               |               |               |               |               |
| Other                             |               |               |               |               |               |               |
| Other                             |               |               |               |               |               |               |
| <b>Total</b>                      | <b>24,631</b> | <b>26,039</b> | <b>26,838</b> | <b>27,317</b> | <b>27,537</b> | <b>27,680</b> |

**If Groundwater identified as existing or planned source**

**(Water Code §10631 (b)(1-4))**

|     |   |
|-----|---|
| YES | Has management plan                             |
| NO  | Attached management plan (b)(1)                 |
| YES | Description of basin(s) (b)(2)                  |
| NO  | Basin is adjudicated                            |
| N/A | If adjudicated, attached order or decree (b)(2) |
| N/A | Quantified amount of legal pumping right (b)(2) |

YLWD pumps water from the Orange County Basin (Chapter 7, Pages 3-7 through 3-18)

| Table 5<br>Groundwater Pumping Rights - AF Year |                     |
|---|---------------------|
| Basin Name                                      | Pumping Right - AFY |
| <b>Not Applicable</b>                           |                     |
| <b>Total</b>                                    | <b>0</b>            |

|     |  |
|-----|--|
| NO  | DWR identified, or projected to be, in overdraft (b)(2)            |
| N/A | Plan to eliminate overdraft (b)(2)                                 |
| YES | Analysis of location, amount & sufficiency, last five years (b)(3) |
| YES | Analysis of location & amount projected, 20 years (b)(4)           |

Chapter 3, Pages 3-7 through 3-18  
N/A

Chapter 3, Pages 3-5, 3-6, 3-18  
Chapter 3, Page 3-3

| Table 6<br>Amount of Groundwater pumped - AFY |        |        |        |        |        |
|---|--------|--------|--------|--------|--------|
| Basin Name (s)                                | 2000   | 2001   | 2002   | 2003   | 2004   |
| La Habra Basin                                | 0      | 0      | 0      | 0      | 0      |
| San Juan Basin                                |        |        |        |        |        |
| Lower Santa Ana Basin                         | 10,811 | 10,533 | 10,090 | 9,354  | 10,416 |
| % of Total Retail Water Supply                | 49.18% | 48.82% | 43.01% | 41.32% | 44.81% |

| Table 7 |
|---------|
|---------|

| Amount of Groundwater projected to be pumped - AFY |        |        |        |        |            |
|--|--------|--------|--------|--------|------------|
| Basin Name(s)                                      | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| La Habra Basin                                     | 0      | 0      | 0      | 0      | 0          |
| Laguna Canyon Basin                                |        |        |        |        |            |
| San Juan Basin                                     |        |        |        |        |            |
| Lower Santa Ana Basin                              | 14,759 | 14,444 | 14,623 | 14,919 | 15,134     |
| % of Total Retail Water Supply                     | 56.7%  | 53.8%  | 53.5%  | 54.2%  | 54.7%      |

#### Reliability of Supply

(Water Code §10631 (c) (1-3))

YES

Describes the reliability of the water supply and vulnerability to seasonal or climatic shortage

Chapter 3, Pages 3-21 through 3-26

| Table 8<br>Supply Reliability - AF Year |                         |                    |                          |        |             |             |
|---|-------------------------|--------------------|--------------------------|--------|-------------|-------------|
| 2005-2010                               | Normal                  | Single             | Multiple Dry Water Years |        |             |             |
|   | Water Year<br>(Average) | Dry Year<br>(1961) | 2008                     | (1959) | 2009 (1960) | 2010 (1961) |
| Local Supply                            | 14,759                  | 14,682             | 15,709                   |        | 15,052      | 14,682      |
|   | % of Normal             | 99.5%              | 106.4%                   |        | 102.0%      | 99.5%       |
| Imported Supply                         | 11,280                  | 12,807             | 11,520                   |        | 11,721      | 12,807      |
|   | % of Normal             | 113.5%             | 102.1%                   |        | 103.9%      | 113.5%      |
| 2010-2015                               | Normal                  | Single             | Multiple Dry Water Years |        |             |             |
|   | Water Year<br>(Average) | Dry Year<br>(1961) | 2013                     | (1959) | 2014 (1960) | 2015 (1961) |
| Local Supply                            | 14,444                  | 13,239             | 13,612                   |        | 13,053      | 13,239      |
|   | % of Normal             | 91.7%              | 94.2%                    |        | 90.4%       | 91.7%       |
| Imported Supply                         | 12,394                  | 15,094             | 14,709                   |        | 14,646      | 15,094      |
|   | % of Normal             | 121.8%             | 118.7%                   |        | 118.2%      | 121.8%      |
| 2015-2020                               | Normal                  | Single             | Multiple Dry Water Years |        |             |             |
|   | Water Year<br>(Average) | Dry Year<br>(1961) | 2018                     | (1959) | 2019 (1960) | 2020 (1961) |
| Local Supply                            | 14,623                  | 13,128             | 13,381                   |        | 12,856      | 13,128      |
|   | % of Normal             | 89.8%              | 91.5%                    |        | 87.9%       | 89.8%       |
| Imported Supply                         | 12,694                  | 15,709             | 15,584                   |        | 15,402      | 15,709      |
|   | % of Normal             | 123.8%             | 122.8%                   |        | 121.3%      | 123.8%      |
| 2020-2025                               | Normal                  | Single             | Multiple Dry Water Years |        |             |             |
|   | Water Year<br>(Average) | Dry Year<br>(1961) | 2023                     | (1959) | 2024 (1960) | 2025 (1961) |
| Local Supply                            | 14,919                  | 13,224             | 14,047                   |        | 12,923      | 13,224      |
|   | % of Normal             | 88.6%              | 94.2%                    |        | 86.6%       | 88.6%       |
| Imported Supply                         | 12,619                  | 15,847             | 15,249                   |        | 15,599      | 15,847      |

|                  |                             |                        |                                 |                    |                    |
|------------------|-----------------------------|------------------------|---------------------------------|--------------------|--------------------|
|                  | % of Normal                 | 125.6%                 | 120.8%                          | 123.6%             | 125.6%             |
| <b>2025-2030</b> | <b>Normal</b>               | <b>Single</b>          | <b>Multiple Dry Water Years</b> |                    |                    |
|                  | <b>Water Year (Average)</b> | <b>Dry Year (1961)</b> | <b>2028 (1959)</b>              | <b>2029 (1960)</b> | <b>2030 (1961)</b> |
| Local Supply     | 15,134                      | 13,604                 | 14,708                          | 13,261             | 13,604             |
|                  | % of Normal                 | 89.9%                  | 97.2%                           | 87.6%              | 89.9%              |
| Imported Supply  | 12,546                      | 15,617                 | 14,779                          | 15,432             | 15,617             |
|                  | % of Normal                 | 124.5%                 | 117.8%                          | 123.0%             | 124.5%             |

| Table 9<br>Basis of Water Year Data |   |      |      |
|-------------------------------------|---|------|------|
| Water Year Type                     |   |      |      |
| Average Water Year                  | Average of Historical Hydrology from 1922 to 2004 |      |      |
| Single-Dry Water Year               | 1961  |      |      |
| Multiple-Dry Water Years            | 1959  | 1960 | 1961 |

Chapter 3, Page 3-22

#### Water Sources Not Available on a Consistent Basis

(Water Code §10631 (c))

|                              |  |
|------------------------------|--|
| <input type="checkbox"/> YES | Describe the reliability of the water supply due to seasonal or climatic shortages |
| <input type="checkbox"/> YES | Describe the vulnerability of the water supply to seasonal or climatic shortages   |
| <input type="checkbox"/> NO  | No unreliable sources  |

Chapter 3, Pages 3-25, 3-26  
Chapter 3, Pages 3-25, 3-26  
Chapter 3, Pages 3-25, 3-26

| Table 10<br>Factors resulting in inconsistency of supply |       |               |               |          |
|--|-------|---------------|---------------|----------|
| Name of supply   | Legal | Environmental | Water Quality | Climatic |
| Metropolitan Water District of Southern California       |       |               |               | x        |
| Lower Santa Ana Basin                                    |       |               |               | x        |
| Surface Diversions                                       |       |               |               | x        |

|                              |   |
|------------------------------|---|
| <input type="checkbox"/> YES | Describe plans to supplement or replace inconsistent sources with alternative sources or DMMs |
| <input type="checkbox"/> NO  | No inconsistent sources   |

Chapter 3, Page 3-23

Chapter 3, Pages 3-21 through 3-26

#### Transfer or Exchange Opportunities

(Water Code §10631 (d))

|                              |  |
|------------------------------|--|
| <input type="checkbox"/> YES | Describe short term and long term exchange or transfer opportunities |
| <input type="checkbox"/> NO  | No transfer opportunities  |

Chapter 3, Pages 3-27 through 3-28

Table 11

| Transfer and Exchange Opportunities - AF Year |                      |            |                     |           |                     |
|---|----------------------|------------|---------------------|-----------|---------------------|
| Transfer Agency                               | Transfer or Exchange | Short term | Proposed Quantities | Long term | Proposed Quantities |
| <b>Not Applicable</b>                         |                      |            |                     |           |                     |
|   |                      |            |                     |           |                     |
|   |                      |            |                     |           |                     |
|   |                      |            |                     |           |                     |
| Total   |                      |            | 0                   |           | 0                   |

#### Water Use Provisions

(Water Code §10631 (e)(1)(2))

|     |                                      |
|-----|--------------------------------------|
| YES | Quantify past water use by sector    |
| YES | Quantify current water use by sector |
| YES | Project future water use by sector   |

Chapter 4, Page 4-4

| Table 12 - Past, Current and Projected Water Deliveries |               |                |               |                |
|---|---------------|----------------|---------------|----------------|
|   | 1999-2000     |                |               |                |
|   | metered       |                | unmetered     |                |
| Water Use Sectors                                       | # of accounts | Deliveries AFY | # of accounts | Deliveries AFY |
| Municipal & Industrial                                  |               | 22,572         |               |                |
| Agriculture   |               | 249            |               |                |
| Total   | 0             | 22,820         | 0             | 0              |

| Table 12 (Continued) - Past, Current and Projected Water Deliveries |               |                |               |                |
|---|---------------|----------------|---------------|----------------|
|   | 2005          |                |               |                |
|   | metered       |                | unmetered     |                |
| Water Use Sectors   | # of accounts | Deliveries AFY | # of accounts | Deliveries AFY |
| Municipal & Industrial  |               | 24,587         |               |                |
| Agriculture   |               | 44             |               |                |
| Total   | 0             | 24,631         | 0             | 0              |

| Table 12 (Continued) - Past, Current and Projected Water Deliveries |               |                |               |                |
|---|---------------|----------------|---------------|----------------|
|   | 2010          |                |               |                |
|   | metered       |                | unmetered     |                |
| Water Use Sectors   | # of accounts | Deliveries AFY | # of accounts | Deliveries AFY |
| Municipal & Industrial  |               | 25,995         |               |                |
| Agriculture   |               | 44             |               |                |
| Total   | 0             | 26,039         | 0             | 0              |

| Table 12 (Continued) - Past, Current and Projected Water Deliveries |         |  |           |  |
|---|---------|--|-----------|--|
|   | 2015    |  |           |  |
|   | metered |  | unmetered |  |

| Water Use Sectors      | # of accounts | Deliveries AFY | # of accounts | Deliveries AFY |
|------------------------|---------------|----------------|---------------|----------------|
| Municipal & Industrial |               | 26,795         |               |                |
| Agriculture            |               | 44             |               |                |
| <b>Total</b>           | 0             | 26,838         | 0             | 0              |

| Table 12 (Continued) - Past, Current and Projected Water Deliveries |               |                |               |                |
|---|---------------|----------------|---------------|----------------|
| 2020  |               |                |               |                |
|   | metered       |                | unmetered     |                |
| Water Use Sectors   | # of accounts | Deliveries AFY | # of accounts | Deliveries AFY |
| Municipal & Industrial  |               | 27,273         |               |                |
| Agriculture   |               | 44             |               |                |
| <b>Total</b>  | 0             | 27,317         | 0             | 0              |

| Table 12 (Continued) - Past, Current and Projected Water Deliveries |               |                |               |                |
|---|---------------|----------------|---------------|----------------|
| 2025  |               |                |               |                |
|   | metered       |                | unmetered     |                |
| Water Use Sectors   | # of accounts | Deliveries AFY | # of accounts | Deliveries AFY |
| Municipal & Industrial  |               | 27,494         |               |                |
| Agriculture   |               | 44             |               |                |
| <b>Total</b>  | 0             | 27,537         | 0             | 0              |

| Table 12 (Continued) - Past, Current and Projected Water Deliveries |               |                |               |                |
|---|---------------|----------------|---------------|----------------|
| 2030 - opt  |               |                |               |                |
|   | metered       |                | unmetered     |                |
| Water Use Sectors   | # of accounts | Deliveries AFY | # of accounts | Deliveries AFY |
| Municipal & Industrial  |               | 27,637         |               |                |
| Agriculture   |               | 44             |               |                |
| <b>Total</b>  | 0             | 27,680         | 0             | 0              |

YES  
YES

Identify and quantify sales to other agencies  
No sales to other agencies

Chapter 4, Page 4-8  
Chapter 4, Page 4-8

| Table 13<br>Sales to Other Agencies - AF Year |           |      |      |      |      |      |
|---|-----------|------|------|------|------|------|
| Water Distributed                             | 1999-2000 | 2005 | 2010 | 2015 | 2020 | 2025 |
|   | 0         | 0    | 0    | 0    | 0    | 0    |
| name of agency                                |           |      |      |      |      |      |
| name of agency                                |           |      |      |      |      |      |
| <b>Total</b>                                  | 0         | 0    | 0    | 0    | 0    | 0    |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

YES

Identify and quantify additional water uses

Chapter 4, Page 4-8

| Table 14<br>Additional Water Uses and Losses - AF Year |           |      |      |      |      |      |
|--|-----------|------|------|------|------|------|
| Water Use  | 1999-2000 | 2005 | 2010 | 2015 | 2020 | 2025 |
| Saline barriers  |           |      |      |      |      |      |
| Groundwater recharge                                   |           |      |      |      |      |      |
| Conjunctive use  |           |      |      |      |      |      |
| raw water  |           |      |      |      |      |      |
| recycled   |           |      |      |      |      |      |
| other (define)   |           |      |      |      |      |      |
| Unaccounted-for system losses                          |           |      |      |      |      |      |
| <b>Total</b>   | 0         | 0    | 0    | 0    | 0    | 0    |

Not Applicable

| Table 15<br>Total Water Use - AF Year |           |        |        |        |        |        |            |
|---------------------------------------|-----------|--------|--------|--------|--------|--------|------------|
| Water Use                             | 1999-2000 | 2005   | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| <b>Total of Tables 12, 13, 14</b>     | 22,820    | 24,631 | 26,039 | 26,838 | 27,317 | 27,537 | 27,680     |

**2005 Urban Water Management Plan "Review of DMMs for Completeness" Form**

(Water Code §10631 (f))

(Water Code §10631 (f) & (g), the 2005 Urban Water Management Plan "Review of DMMs for Completeness" Form is found on Sheet 2

**Planned Water Supply Projects and Programs, including non-implemented DMMs**

(Water Code §10631 (g))

YES

No non-implemented / not scheduled DMMs

N/A

Cost-Benefit includes economic and non-economic factors (environmental, social, health, customer impact, and technological factors)

N/A

Cost-Benefit analysis includes total benefits and total costs

N/A

Identifies funding available for Projects with higher per-unit-cost than DMMs

N/A

Identifies Suppliers' legal authority to implement DMMs, efforts to implement the measures and efforts to identify cost share partners

Chapter 6, Page 6-2

YLWD Implements/ Plans to Implement all Applicable DMMs

| Table 16<br>Evaluation of unit cost of water resulting from non-implemented / non-scheduled DMMs<br>and planned water supply project and programs |                  |
|---|------------------|
| Non-implemented & Not Scheduled DMM / Planned Water Supply Projects (Name)  | Per-AF Cost (\$) |
| <b>Not Applicable</b>   |                  |
|   |                  |
|   |                  |
|   |                  |
|   |                  |
|   |                  |

#### Planned Water Supply Projects and Programs

(Water Code §10631 (h))

|                              |  |
|------------------------------|--|
| <input type="checkbox"/> NO  | No future water supply projects or programs                        |
| <input type="checkbox"/> YES | Detailed description of expected future supply projects & programs |
| <input type="checkbox"/> YES | Timeline for each proposed project                                 |
| <input type="checkbox"/> N/A | Quantification of each projects normal yield (AFY)                 |
| <input type="checkbox"/> N/A | Quantification of each projects single dry-year yield (AFY)        |
| <input type="checkbox"/> N/A | Quantification of each projects multiple dry-year yield (AFY)      |

Chapter 7, Pages 7-1 through 7-3  
Chapter 7, Pages 7-1 through 7-3  
Chapter 7, Pages 7-1 through 7-3

| Table 17<br>Future Water Supply Projects |                      |                           |                          |                          |                        |                        |                        |
|--|----------------------|---------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|
|  |                      |                           | 2010 - 2030              |                          |                        |                        |                        |
| Project Name                             | Projected Start Date | Projected Completion Date | Normal-year AF to agency | Single-dry year yield AF | Multiple-Dry-Year 1 AF | Multiple-Dry-Year 2 AF | Multiple-Dry-Year 3 AF |
| None                                     |                      |                           |                          |                          |                        |                        |                        |
| <b>Not Applicable</b>                    |                      |                           |                          |                          |                        |                        |                        |
|  |                      |                           |                          |                          |                        |                        |                        |
|  |                      |                           |                          |                          |                        |                        |                        |
|  |                      |                           |                          |                          |                        |                        |                        |
|  |                      |                           |                          |                          |                        |                        |                        |
|  |                      |                           |                          |                          |                        |                        |                        |

#### Opportunities for development of desalinated water

(Water Code §10631 (i))

|                              |  |
|------------------------------|--|
| <input type="checkbox"/> YES | Describes opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply |
|------------------------------|--|

Chapter 7, Page 7-2

**YES**

No opportunities for development of desalinated water

| Table 18<br>Opportunities for desalinated water |              |
|---|--------------|
| Source of water                                 | Check if yes |
| Ocean water                                     |              |
| Brackish ocean water                            |              |
| Brackish groundwater                            |              |

**District is a CUWCC signatory****(Water Code § 10631 (j))**

Urban suppliers that are California Urban Water Conservation Council members may submit the annual reports identifying water demand management measures currently being implemented, or scheduled for implementation, to satisfy the requirements of subdivisions (f) and (g).

The supplier's CUWCC Best Management Practices Report should be attached to the UWMP.

**NO**

Agency is a CUWCC member

**N/A**

2003-04 annual updates are attached to plan

**N/A**

Both annual updates are considered completed by CUWCC website

**If Supplier receives or projects receiving water from a wholesale supplier****(Water Code §10631 (k))****YES**

Agency receives, or projects receiving, wholesale water

**YES**

Agency provided written demand projections to wholesaler, 20 years

Chapter 3, Pages 3-2, 3-19, 3-20

Chapter 1, Page 1-5

| Table 19<br>Agency demand projections provided to wholesale suppliers - AFY |        |        |        |        |            |
|---|--------|--------|--------|--------|------------|
| Wholesaler  | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| MWDOC   | 11,280 | 12,394 | 12,694 | 12,619 | 12,546     |
| (name 2)  |        |        |        |        |            |
| (name 3)  |        |        |        |        |            |

**YES**

Wholesaler provided written water availability projections, by source, to agency, 20 years

Chapter 1, Page 1-5

| Table 20<br>Wholesaler identified & quantified the existing and planned sources of water- AFY |        |        |        |        |            |
|---|--------|--------|--------|--------|------------|
| Wholesaler sources  | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| MWDOC   | 11,280 | 12,394 | 12,694 | 12,619 | 12,546     |
| (source 2)  |        |        |        |        |            |
| (source 3)  |        |        |        |        |            |

**YES**

Reliability of wholesale supply provided in writing by wholesale agency

Chapter 1, Page 1-5

| Table 21<br>Wholesale Supply Reliability - % of normal AFY |            |      |                          |              |               |
|--|------------|------|--------------------------|--------------|---------------|
| Wholesaler sources   | Single Dry |      | Multiple Dry Water Years |              |               |
|  |            | 1961 | Year 1 (1959)            | Year 2(1960) | Year 3 (1961) |
| MWDOC  | 2010       | 114% | 102%                     | 104%         | 114%          |
| MWDOC  | 2015       | 122% | 119%                     | 118%         | 122%          |
| MWDOC  | 2020       | 124% | 123%                     | 121%         | 124%          |
| MWDOC  | 2025       | 126% | 121%                     | 124%         | 126%          |
| MWDOC  | 2030       | 124% | 118%                     | 123%         | 124%          |

| Table 22<br>Factors resulting in inconsistency of wholesaler's supply |       |             |               |          |
|---|-------|-------------|---------------|----------|
| Name of supply  | Legal | Environment | Water Quality | Climatic |
| MWDOC   |       |             |               | x        |
|   |       |             |               |          |

**Water Shortage Contingency Plan Section**

(Water Code § 10632)

**Stages of Action**

(Water Code § 10632 (a))

**YES**

Provide stages of action

**YES**

Provide the water supply conditions for each stage

**YES**

Includes plan for 50 percent supply shortage

Chapter 8, Pages 8-3, 8-3

| Table 23<br>Water Supply Shortage Stages and Conditions           |   |  |
|---|---|--|
| Stage No.   | Water Supply Conditions   | % Shortage   |
| Level 1: Voluntary Conservation Measures (Targeted 10% Reduction) | Level 1 measures may be declared by the Board of Directors when, in their judgment, the possibility exists YLWD may not be able to meet all of the demands of its customers without punitive surcharges levied against YLWD due to restrictions on imported supply. | The Board of Directors shall, by separate Resolution, establish voluntary conservation goals and advise customers of ways to conserve water. |

|  |   |  |
|--|---|--|
| Level 2: Mandatory Conservation – Water Watch (Targeted 25% Reduction) | Level 2 measures, hereinafter referred to as “Water Watch”, may be declared by the Board of Directors when, in their judgement, the probability exists that YLWD will not be able to meet all of the water demands of its customers without punitive surcharges levied against YLWD due to restrictions on imported supply.   | The Board of Directors shall, by separate Resolution, determine the extent of conservation required by setting a percentage of the Base Target Amount for high priority and low priority water use, advise customers of ways to save water and may enforce such allocation by mandating certain practices. |
| Stage 3: Mandatory Reduction – Water Warning (Targeted 35% Reduction)  | Level 3 measures, hereinafter referred to as “Water Warning”, may be declared by the Board of Directors when, in their judgment, YLWD will not be able to meet all of the water demands of its customers without punitive surcharges levied against YLWD due to restrictions on imported supply.  | The Board of Directors shall, by separate resolution, determine the extent of conservation required, set a percentage of the Base Target Amount for high priority and low priority water use, advise customers of ways to save water and may enforce such allocation by mandating certain practices        |
| Stage 4: Water Emergency (Targeted 50% Reduction)                      | Level 4 measures, hereinafter referred to as “Water Emergency”, may be declared by the Board of Directors when the failure of any supply or distribution facility, whether temporary or permanent, occurs in the water distribution system of the State Water Project, Metropolitan Water District of Southern California, Municipal Water District of Orange County, Orange County Water District or Yorba Linda Water District may seriously affect the ability to supply water to customers. | The Board of Directors shall, by separate Resolution, determine the extent of conservation required, set a percentage of the Base Target Amount for high priority and low priority water use, advise customers of ways to save water and may enforce such allocation by certain practices.                 |

#### Three-Year Minimum Water Supply

(Water Code §10632 (b))

|     |   |
|-----|---|
| YES | Identifies driest 3-year period                                   |
| YES | Minimum water supply available by source for the next three years |

Chapter 8, Page 8-4

Chapter 8, Page 8-4

| Table 24<br>Three-Year Estimated Minimum Water Supply (Based on Multiple Dry Years) - AF Year |        |      |      |                   |      |      |
|---|--------|------|------|-------------------|------|------|
| source**  | Normal |      |      | Multiple Dry Year |      |      |
|   | 2006   | 2007 | 2008 | 2006              | 2007 | 2008 |

|  |               |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| Groundwater (Orange County Basin)        | 12,555        | 13,876        | 14,721        | 12,795        | 13,833        | 15,491        |
| Wholesale Water (Metropolitan via MWDOC) | 12,372        | 11,346        | 10,796        | 13,804        | 12,327        | 11,447        |
| <b>Total</b>                             | <b>24,926</b> | <b>25,222</b> | <b>25,517</b> | <b>26,599</b> | <b>26,160</b> | <b>26,939</b> |

#### Preparation for catastrophic water supply interruption

(Water Code §10632 (c))

**YES** Provided catastrophic supply interruption plan

Chapter 8, Pages 8-5, 8-6

| Table 25<br>Preparation Actions for a Catastrophe |                    |
|---|--------------------|
| Possible Catastrophe                              | Check if Discussed |
| Regional power outage                             | √                  |
| Earthquake  | √                  |
| Terrorism   | √                  |

#### Prohibitions

(Water Code § 10632 (d))

**YES** List the mandatory prohibitions against specific water use practices during water shortages

Chapter 8, Pages 8-7 through 8-12

| Table 26<br>Mandatory Prohibitions  |  |
|---|--|
| Consumption Reduction Methods and Prohibitions  | Stage When Prohibition Becomes Mandatory |
| <b>Customer Actions</b>   |  |
| 1. Check monthly for plumbing leaks and any leaks found should be repaired immediately.   | Level 1                                  |
| 2. Irrigate commercial nurseries, golf courses, parks, school yards, traffic medians and other public open space and other non residential landscaped areas no more often than every third day, and only between the hours of 6:00 p.m. and 5:00 a.m. | Level 1                                  |

|   |         |
|---|---------|
| 3. Reduce outside irrigation schedules to the absolute minimum to keep important plants alive. Withhold fertilizer to inhibit new growth.   | Level 1 |
| 4. Residential customers with addresses ending with an even number water lawns, landscaping and other turf areas only on even number days of the month and between the hours of 4:00 p.m. and 10:00 a.m. Residential customers with addresses ending with an odd number water lawns, landscape, and other turf areas only on odd number days of the month and between the hours of 4:00 p.m. and 10:00 a.m. | Level 1 |
| 5. Adjust sprinklers to avoid “watering” sidewalks and gutters, and lower pressure to avoid creating a wasteful mist.   | Level 1 |
| 6. Eliminate washing of sidewalks, walkways, buildings, walls, patios, driveways, parking areas or other paved surfaces, or walls except to eliminate conditions dangerous to public health or safety or when required as surface preparation for the application of architectural coating or painting, and to alleviate immediate fire hazards.  | Level 1 |
| 7. Curtail water use to clean, fill or maintain levels in decorative fountains, ponds, lakes, or other similar aesthetical structures unless such water use is approved in advance by YLWD.   | Level 1 |
| 8. Curtail water used for the initial filling or refilling of swimming pools, spas or ponds unless such water use is approved in advance by YLWD. Replacement due to evaporation is permitted.  | Level 1 |
| 9. Curtail washing of motor vehicles, trailers, boats and other types of equipment unless a bucket and a hose equipped with a positive shutoff nozzle for quick rinses is used. Washing of vehicles may be done by a commercial car wash that uses recycled water.  | Level 1 |
| 10. Display notice that water will be served only upon request at all restaurants, hotels, cafes, cafeterias or other public place where food is sold, served or offered for sale.  | Level 1 |
| 11. Water should only be served when requested by a customer in restaurants, hotels, cafes, cafeterias or other public places where food is sold or offered for sale.   | Level 1 |
| 12. Post notice of the water supply shortage in each room of hotels, motels, inns, guest houses, bed and breakfast facilities and short-term commercial lodgings along with an explanation of necessary compliance measures taken by the establishment.   | Level 1 |
| 13. Install low-flow shower heads, toilet dams or low-flow toilets, and faucet flow restrictors in each room of hotels, motels, inns, guest houses, bed and breakfast facilities and short-term commercial lodgings.  | Level 1 |
| 14. Hand water plants with a positive shut-off hose nozzle.   | Level 1 |

|   |         |
|---|---------|
| 15. Place a plastic bottle, bag or dam in all toilets.  | Level 1 |
| 16. Use automatic dish and clothes washers for full loads only.   | Level 1 |
| 17. Insulate hot water pipes to reduce waiting time for hot water. Install circulating hot water system or point of use water heater.                                   | Level 1 |
| 18. Turn off the water while brushing teeth, washing hands and/or shaving.  | Level 1 |
| 19. Install water saving shower heads and/or flow restrictors.  | Level 1 |
| 20. Take shorter showers. Turn off the water when lathering, shampooing, or shaving. Turn the shower back on to rinse.  | Level 1 |
| 21. Capture bath/shower warm-up water in buckets and use the water to irrigate plants or to flush toilets.  | Level 1 |
| 22. Use garbage disposers sparingly   | Level 1 |
| 23. Do not plant any annuals or new plants that will require extra watering.  | Level 1 |
| 24. Place mulching material in landscaped areas to decrease soil moisture evaporation.  | Level 1 |
| 25. Use a broom to clean outside patios, porches and sidewalks.   | Level 1 |
| 26. Cover spas and swimming pools when not in use. If spa or pool will not be used, make necessary preparations for not refilling the spa or pool while shortage lasts. | Level 1 |

|                         |
|-------------------------|
| <b>District Actions</b> |
|-------------------------|

|  |         |
|--|---------|
| 1. Limit use of water from fire hydrants to fire fighting, approved construction activities or other activities as approved by YLWD as necessary to maintain the health, safety and welfare of the public. | Level 1 |
| 2. Turn off all construction meters until the condition(s) causing the shortage are abated to the satisfaction of the General Manager.   | Level 1 |
| 3. Issue no construction meters for earth work or road construction purposes.  | Level 1 |
| 4. Moratorium on new service connections.  | Level 1 |

#### Consumption Reduction Methods

(Water Code § 10632 (e))

YES

List the consumption reduction methods the water supplier will use to reduce water use in the most restrictive stages with up to a 50% reduction.

Chapter 8, Pages 8-7 through 8-12

| Table 27<br>Consumption Reduction Methods |                                |                         |
|---|--------------------------------|-------------------------|
| Consumption Reduction Methods             | Stage When Method Takes Effect | Projected Reduction (%) |
| name method                               |                                |                         |
| name method                               |                                |                         |
| name method                               |                                |                         |

#### Penalties

(Water Code § 10632 (f))

YES

List excessive use penalties or charges for excessive use

Chapter 8, Pages 8-13, 8-14

| Table 28<br>Penalties and Charges |
|-----------------------------------|
|-----------------------------------|

| Penalties  | Stage When Penalty Takes Effect | Stage When Penalty Takes Effect |
|--|---------------------------------|---------------------------------|
| Warning  | 1st Violation                   | 1st Violation                   |
| Letter Explaining Violation  | 2nd Violation                   | 2nd Violation                   |
| Flow Restricting Orifice   | 3rd Violation                   | 3rd Violation                   |
| Charges  |                                 |                                 |
| Excess Water Use Rate  | Any Violation                   | Any Violation                   |
| One-Time Charge of Two Times the Latest Water Bill                       | 2nd Violation                   | 2nd Violation                   |
| Charge for Costs of Installation and Removal of Flow Restricting Orifice | 3rd Violation                   | 3rd Violation                   |

#### Revenue and Expenditure Impacts

(Water Code § 10632 (g))

|     |   |
|-----|---|
| YES | Describe how actions and conditions impact revenues               |
| YES | Describe how actions and conditions impact expenditures           |
| YES | Describe measures to overcome the revenue and expenditure impacts |

Chapter 8, Page 8-15  
Chapter 8, Page 8-15  
Chapter 8, Pages 8-15, 8-16

| Table 29<br>Proposed measures to overcome revenue impacts |                    |
|---|--------------------|
| Names of measures   | Check if Discussed |
| 1. Rate Adjustment  | √                  |
| 2. Water Fund Balance                                     | √                  |
| 3. Bonds  | √                  |

| Table 30<br>Proposed measures to overcome expenditure impacts |                    |
|---|--------------------|
| Names of measures   | Check if Discussed |
| Capital Improvements Program                                  | √                  |

#### Water Shortage Contingency Ordinance/Resolution

(Water Code § 10632 (h))

|     |  |
|-----|--|
| YES | Attach a copy of the draft water shortage contingency resolution or ordinance. |
|-----|--|

Appendix E

#### Reduction Measuring Mechanism

(Water Code § 10632 (i))

|     |   |
|-----|---|
| Yes | Provided mechanisms for determining actual reductions |
|-----|---|

Chapter 8, Page 8-17

| Table 31<br>Water Use Monitoring Mechanisms |
|---|
|---|

| Mechanisms for determining actual reductions      | Type data expected |
|---|--------------------|
| 1. Production Meter Readings                      | GPD                |
| 2. Imported Water Metering                        | GPD                |
| 3. Residential Water Metering and Site Monitoring | GPD                |

#### Recycling Plan Agency Coordination

#### Water Code § 10633

☐ NO Describe the coordination of the recycling plan preparation information to the extent available.

Not Applicable / YLWD does not currently utilize recycled water (Chapter 7, Pages 7-2, 7-3)

| Table 32<br>Participating agencies |              |
|------------------------------------|--------------|
|                                    | participated |
| Water agencies                     |              |
| Wastewater agencies                |              |
| Groundwater agencies               |              |
| Planning Agencies                  |              |

#### Wastewater System Description

#### (Water Code § 10633 (a))

☐ YES Describe the wastewater collection and treatment systems in the supplier's service area

The Orange County Sanitation District collects and treats wastewater for Orange County (Chapter 7, Pages 7-2,3)

☐ N/A Quantify the volume of wastewater collected and treated

| Table 33<br>Wastewater Collection and Treatment - AF Year |      |      |      |      |      |      |
|---|------|------|------|------|------|------|
| Type of Wastewater  | 2000 | 2005 | 2010 | 2015 | 2020 | 2025 |
| Wastewater collected & treated in service area            |      |      |      |      |      |      |
| Volume that meets recycled water standard                 |      |      |      |      |      |      |

#### Wastewater Disposal and Recycled Water Uses

#### (Water Code § 10633 (a - d))

☐ YES Describes methods of wastewater disposal  
☐ N/A Describe the current type, place and use of recycled water  
☐ YES None  
☐ N/A Describe and quantify potential uses of recycled water

The Orange County Sanitation District collects and treats wastewater for Orange County (Chapter 7, Pages 7-2,3)

Table 34

| Disposal of wastewater (non-recycled) AF Year |                 |      |      |      |      |      |
|---|-----------------|------|------|------|------|------|
| Method of disposal                            | Treatment Level | 2005 | 2010 | 2015 | 2020 | 2025 |
| Name of method                                |                 |      |      |      |      |      |
| Name of method                                |                 |      |      |      |      |      |
| Name of method                                |                 |      |      |      |      |      |
| Name of method                                |                 |      |      |      |      |      |
| Total   |                 | 0    | 0    | 0    | 0    | 0    |

| Table 35<br>Recycled Water Uses - Actual and Potential (AFY) |                 |      |      |      |      |      |
|--|-----------------|------|------|------|------|------|
| User type  | Treatment Level | 2005 | 2010 | 2015 | 2020 | 2025 |
| Agriculture  |                 |      |      |      |      |      |
| Landscape  |                 |      |      |      |      |      |
| Wildlife Habitat   |                 |      |      |      |      |      |
| Wetlands   |                 |      |      |      |      |      |
| Industrial   |                 |      |      |      |      |      |
| Groundwater Recharge   |                 |      |      |      |      |      |
| Other (user type)  |                 |      |      |      |      |      |
| Other (user type)  |                 |      |      |      |      |      |
| Total  |                 | 0    | 0    | 0    | 0    | 0    |

YES

Determination of technical and economic feasibility of serving the potential uses

Chapter 7, Page 7-3

#### Projected Uses of Recycled Water

(Water Code § 10633 (e))

N/A

Projected use of recycled water, 20 years

Not Applicable / YLWD does not currently utilize recycled water (Chapter 7, Pages 7-2, 7-3)

| Table 36<br>Projected Future Use of Recycled Water in Serving Area - AF Year |      |      |      |      |            |
|--|------|------|------|------|------------|
|  | 2010 | 2015 | 2020 | 2025 | 2030 - opt |
| Projected use of Recycled Water  |      |      |      |      |            |

N/A

Compare UWMP 2000 projections with UWMP 2005 actual (§ 10633 (e))

Yes

None

Not Applicable / YLWD does not currently utilize recycled water (Chapter 7, Pages 7-2, 7-3)

| Table 37<br>Recycled Water Uses - 2000 Projection compared with 2005 actual - AFY |                          |                 |
|---|--------------------------|-----------------|
| User type   | 2000 Projection for 2005 | 2005 actual use |
| Agriculture   |                          |                 |
| Landscape   |                          |                 |

|                      |                       |   |
|----------------------|-----------------------|---|
| Wildlife Habitat     | <b>Not Applicable</b> |   |
| Wetlands             |                       |   |
| Industrial           |                       |   |
| Groundwater Recharge |                       |   |
| Other (user type)    |                       |   |
| Other (user type)    |                       |   |
| <b>Total</b>         | 0                     | 0 |

#### Plan to Optimize Use of Recycled Water

(Water Code § 10633 (f))

|     |   |
|-----|---|
| N/A | Describe actions that might be taken to encourage recycled water uses                             |
| N/A | Describe projected results of these actions in terms of acre-feet of recycled water used per year |

Not Applicable / YLWD does not currently utilize recycled water (Chapter 7, Pages 7-2, 7-3)

| Table 38<br>Methods to Encourage Recycled Water Use |  |      |      |      |            |
|---|--|------|------|------|------------|
| Actions   | AF of use projected to result from this action |      |      |      |            |
|   | 2010   | 2015 | 2020 | 2025 | 2030 - opt |
| Financial incentives                                |  |      |      |      |            |
| name of action                                      |  |      |      |      |            |
| name of action                                      |  |      |      |      |            |
| name of action                                      |  |      |      |      |            |
| name of action                                      |  |      |      |      |            |
| name of action                                      |  |      |      |      |            |
| <b>Total</b>  | 0  | 0    | 0    | 0    | 0          |

|     |   |
|-----|---|
| YES | Provide a recycled water use optimization plan which includes actions to facilitate the use of recycled water (dual distribution systems, promote recirculating uses) |
|-----|---|

Chapter 7, Page 7-3

#### Water quality impacts on availability of supply

(Water Code §10634)

|     |   |
|-----|---|
| N/A | Discusses water quality impacts (by source) upon water management strategies and supply reliability |
| YES | No water quality impacts projected  |

Chapter 3, Page 3-25

| Table 39<br>Current & projected water supply changes due to water quality - percentage |      |      |      |      |      |            |
|--|------|------|------|------|------|------------|
| water source   | 2005 | 2010 | 2015 | 2020 | 2025 | 2030 - opt |
|  |      |      |      |      |      |            |
|  |      |      |      |      |      |            |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

#### Supply and Demand Comparison to 20 Years

(Water Code § 10635 (a))

**YES**

Compare the projected normal water supply to projected normal water use over the next 20 years, in 5-year increments.

Chapter 5, Pages 5-1, 5-2

| Table 40<br>Projected Normal Water Supply - AF Year |        |        |        |        |            |
|---|--------|--------|--------|--------|------------|
| (from table 4)                                      | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| <b>Supply</b>                                       | 26,039 | 26,838 | 27,317 | 27,537 | 27,680     |
| % of year 2005                                      | 106%   | 109%   | 111%   | 112%   | 112%       |

| Table 41<br>Projected Normal Water Demand - AF Year |        |        |        |        |            |
|---|--------|--------|--------|--------|------------|
| (from table 15)                                     | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| <b>Demand</b>                                       | 26,039 | 26,838 | 27,317 | 27,537 | 27,680     |
| % of year 2005                                      | 106%   | 109%   | 111%   | 112%   | 112%       |

| Table 42<br>Projected Supply and Demand Comparison - AF Year |        |        |        |        |            |
|--|--------|--------|--------|--------|------------|
|  | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| <b>Supply totals</b>   | 26,039 | 26,838 | 27,317 | 27,537 | 27,680     |
| <b>Demand totals</b>   | 26,039 | 26,838 | 27,317 | 27,537 | 27,680     |
| <b>Difference</b>  | 0      | 0      | 0      | 0      | 0          |
| Difference as % of Supply                                    | 0%     | 0%     | 0%     | 0%     | 0%         |
| Difference as % of Demand                                    | 0%     | 0%     | 0%     | 0%     | 0%         |

#### Supply and Demand Comparison: Single-dry Year Scenario

(Water Code § 10635 (a))

**YES**

Compare the projected single-dry year water supply to projected single-dry year water use over the next 20 years, in 5-year increments.

Chapter 5, Pages 5-3, 5-4

| Table 43<br>Projected single dry year Water Supply - AF Year |               |               |               |               |               |
|--|---------------|---------------|---------------|---------------|---------------|
|  | 2010          | 2015          | 2020          | 2025          | 2030 - opt    |
| Local Supply   | 14,682        | 13,239        | 13,128        | 13,224        | 13,604        |
| Imported Supply  | 12,807        | 15,094        | 15,709        | 15,847        | 15,617        |
| <b>Supply Totals</b>   | <b>27,489</b> | <b>28,333</b> | <b>28,838</b> | <b>29,071</b> | <b>29,221</b> |
| % of projected normal  | 105.6%        | 105.6%        | 105.6%        | 105.6%        | 105.6%        |

| Table 44<br>Projected single dry year Water Demand - AF Year |        |        |        |        |            |
|--|--------|--------|--------|--------|------------|
|  | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| <b>Demand</b>  | 27,489 | 28,333 | 28,838 | 29,071 | 29,221     |
| % of projected normal  | 105.6% | 105.6% | 105.6% | 105.6% | 105.6%     |

| Table 45<br>Projected single dry year Supply and Demand Comparison - AF Year |        |        |        |        |            |
|--|--------|--------|--------|--------|------------|
|  | 2010   | 2015   | 2020   | 2025   | 2030 - opt |
| <b>Supply totals</b>   | 27,489 | 28,333 | 28,838 | 29,071 | 29,221     |
| <b>Demand totals</b>   | 27,489 | 28,333 | 28,838 | 29,071 | 29,221     |
| <b>Difference</b>  | 0      | 0      | 0      | 0      | 0          |
| Difference as % of Supply  | 0.0%   | 0.0%   | 0.0%   | 0.0%   | 0.0%       |
| Difference as % of Demand  | 0.0%   | 0.0%   | 0.0%   | 0.0%   | 0.0%       |

#### Supply and Demand Comparison: Multiple-dry Year Scenario

(Water Code § 10635 (a))

**YES**

Project a multiple-dry year period (as identified in Table 9) occurring between 2006-2010 and compare projected supply and demand during those years

Chapter 5, Pages 5-5, 5-6

| Table 46<br>Projected supply during multiple dry year period ending in 2010 - AF Year |  |  |               |               |               |
|---|--|--|---------------|---------------|---------------|
| Supply  |  |  | 2008          | 2009          | 2010          |
| <b>Normal</b>   |  |  |               |               |               |
| Local Supply  |  |  | 14,721        | 14,837        | 14,759        |
| Imported Supply   |  |  | 10,796        | 10,976        | 11,280        |
| <b>Supply Totals</b>  |  |  | <b>25,517</b> | <b>25,813</b> | <b>26,039</b> |
| <b>Multiple Dry Year</b>  |  |  |               |               |               |
| Local Supply  |  |  | 15,709        | 15,052        | 14,682        |
| Imported Supply   |  |  | 11,520        | 11,721        | 12,807        |
| <b>Supply Totals</b>  |  |  | <b>27,230</b> | <b>26,773</b> | <b>27,489</b> |
| % of projected normal   |  |  | 106.7%        | 103.7%        | 105.6%        |

| Table 47<br>Projected demand multiple dry year period ending in 2010 - AFY |  |  |               |               |               |
|--|--|--|---------------|---------------|---------------|
| Demand   |  |  | 2008          | 2009          | 2010          |
| <b>Normal</b>  |  |  | <b>25,517</b> | <b>25,813</b> | <b>26,039</b> |
| <b>Multiple Dry Year</b>   |  |  | <b>27,230</b> | <b>26,773</b> | <b>27,489</b> |
| % of projected normal  |  |  | 106.7%        | 103.7%        | 105.6%        |

| Table 48<br>Projected Supply and Demand Comparison during multiple dry year period ending in 2010- AF Year |  |  |        |        |        |
|--|--|--|--------|--------|--------|
|  |  |  | 2008   | 2009   | 2010   |
| Supply totals  |  |  | 27,230 | 26,773 | 27,489 |
| Demand totals  |  |  | 27,230 | 26,773 | 27,489 |
| Difference   |  |  | 0      | 0      | 0      |
| Difference as % of Supply  |  |  | 0.0%   | 0.0%   | 0.0%   |
| Difference as % of Demand  |  |  | 0.0%   | 0.0%   | 0.0%   |

**YES**

Project a multiple-dry year period (as identified in Table 9) occurring between 2011-2015 and compare projected supply and demand during those years

Chapter 5, Pages 5-7, 5-8

| Table 49<br>Projected supply during multiple dry year period ending in 2015 - AF Year |  |  |        |        |        |
|---|--|--|--------|--------|--------|
| Supply  |  |  | 2013   | 2014   | 2015   |
| Normal  |  |  |        |        |        |
| Local Supply  |  |  | 14,281 | 14,401 | 14,444 |
| Imported Supply   |  |  | 12,259 | 12,305 | 12,394 |
| Supply Totals   |  |  | 26,540 | 26,707 | 26,838 |
| Multiple Dry Year   |  |  |        |        |        |
| Local Supply  |  |  | 13,612 | 13,053 | 13,239 |
| Imported Supply   |  |  | 14,709 | 14,646 | 15,094 |
| Supply Totals   |  |  | 28,321 | 27,699 | 28,333 |
| % of projected normal   |  |  | 106.7% | 103.7% | 105.6% |

| Table 50<br>Projected demand multiple dry year period ending in 2015 - AFY |  |  |        |        |        |
|--|--|--|--------|--------|--------|
| Demand   |  |  | 2013   | 2014   | 2015   |
| Normal   |  |  | 26,540 | 26,707 | 26,838 |
| Multiple Dry Year  |  |  | 28,321 | 27,699 | 28,333 |
| % of projected normal  |  |  | 106.7% | 103.7% | 105.6% |

| Table 51<br>Projected Supply and Demand Comparison during multiple dry year period ending in 2015- AF Year |  |  |  |  |  |
|--|--|--|--|--|--|
|--|--|--|--|--|--|

|                           |  |  | 2013   | 2014   | 2015   |
|---------------------------|--|--|--------|--------|--------|
| Supply totals             |  |  | 28,321 | 27,699 | 28,333 |
| Demand totals             |  |  | 28,321 | 27,699 | 28,333 |
| Difference                |  |  | 0      | 0      | 0      |
| Difference as % of Supply |  |  | 0.0%   | 0.0%   | 0.0%   |
| Difference as % of Demand |  |  | 0.0%   | 0.0%   | 0.0%   |

YES

Project a multiple-dry year period (as identified in Table 9) occurring between 2016-2020 and compare projected supply and demand during those years

Chapter 5, Pages 5-9, 5-10

| Table 52<br>Projected supply during multiple dry year period ending in 2020 - AF Year |  |  |        |        |        |
|---|--|--|--------|--------|--------|
| Supply  |  |  | 2018   | 2019   | 2020   |
| Normal  |  |  |        |        |        |
| Local Supply  |  |  | 14,506 | 14,558 | 14,623 |
| Imported Supply   |  |  | 12,638 | 12,687 | 12,694 |
| Supply Totals   |  |  | 27,144 | 27,245 | 27,317 |
| Multiple Dry Year   |  |  |        |        |        |
| Local Supply  |  |  | 13,381 | 12,856 | 13,128 |
| Imported Supply   |  |  | 15,584 | 15,402 | 15,709 |
| Supply Totals   |  |  | 28,965 | 28,258 | 28,838 |
| % of projected normal   |  |  | 106.7% | 103.7% | 105.6% |

| Table 53<br>Projected demand multiple dry year period ending in 2020 - AFY |  |  |        |        |        |
|--|--|--|--------|--------|--------|
| Demand   |  |  | 2018   | 2019   | 2020   |
| Normal   |  |  | 27,144 | 27,245 | 27,317 |
| Multiple Dry Year  |  |  | 28,965 | 28,258 | 28,838 |
| % of projected normal  |  |  | 106.7% | 103.7% | 105.6% |

| Table 54<br>Projected Supply and Demand Comparison during multiple dry year period ending in 2020- AF Year |  |  |        |        |        |
|--|--|--|--------|--------|--------|
|  |  |  | 2018   | 2019   | 2020   |
| Supply totals  |  |  | 28,965 | 28,258 | 28,838 |
| Demand totals  |  |  | 28,965 | 28,258 | 28,838 |
| Difference   |  |  | 0      | 0      | 0      |

|                                  |  |  |      |      |      |
|----------------------------------|--|--|------|------|------|
| <b>Difference as % of Supply</b> |  |  | 0.0% | 0.0% | 0.0% |
| <b>Difference as % of Demand</b> |  |  | 0.0% | 0.0% | 0.0% |

Yes

Project a multiple-dry year period (as identified in Table 9) occurring between 2021-2025 and compare projected supply and demand during those years

Chapter 5, Pages 5-11, 5-12

| Table 55<br>Projected supply during multiple dry year period ending in 2025 - AF Year |  |  |               |               |               |
|---|--|--|---------------|---------------|---------------|
| Supply  |  |  | 2023          | 2024          | 2025          |
| <b>Normal</b>   |  |  |               |               |               |
| Local Supply  |  |  | 14,796        | 14,861        | 14,919        |
| Imported Supply   |  |  | 12,658        | 12,638        | 12,619        |
| <b>Supply Totals</b>  |  |  | <b>27,454</b> | <b>27,499</b> | <b>27,537</b> |
| <b>Multiple Dry Year</b>  |  |  |               |               |               |
| Local Supply  |  |  | 14,047        | 12,923        | 13,224        |
| Imported Supply   |  |  | 15,249        | 15,599        | 15,847        |
| <b>Supply Totals</b>  |  |  | <b>29,296</b> | <b>28,521</b> | <b>29,071</b> |
| % of projected normal   |  |  | 106.7%        | 103.7%        | 105.6%        |

| Table 56<br>Projected demand multiple dry year period ending in 2025 - AFY |  |  |               |               |               |
|--|--|--|---------------|---------------|---------------|
| Demand   |  |  | 2023          | 2024          | 2025          |
| <b>Normal</b>  |  |  | <b>27,454</b> | <b>27,499</b> | <b>27,537</b> |
| <b>Multiple Dry Year</b>   |  |  | <b>29,296</b> | <b>28,521</b> | <b>29,071</b> |
| % of projected normal  |  |  | 106.7%        | 103.7%        | 105.6%        |

| Table 57<br>Projected Supply and Demand Comparison during multiple dry year period ending in 2025- AF Year |  |  |        |        |        |
|--|--|--|--------|--------|--------|
|  |  |  | 2023   | 2024   | 2025   |
| <b>Supply totals</b>   |  |  | 29,296 | 28,521 | 29,071 |
| <b>Demand totals</b>   |  |  | 29,296 | 28,521 | 29,071 |
| <b>Difference</b>  |  |  | 0      | 0      | 0      |
| <b>Difference as % of Supply</b>   |  |  | 0.0%   | 0.0%   | 0.0%   |
| <b>Difference as % of Demand</b>   |  |  | 0.0%   | 0.0%   | 0.0%   |

YES

Project a multiple-dry year period (as identified in Table 9) occurring between 2026-2030 and

Chapter 5, Pages 5-13, 5-14

compare projected supply and demand during those years

| Table 58<br>Projected supply during multiple dry year period ending in 2030 - AF Year |  |  |               |               |               |
|---|--|--|---------------|---------------|---------------|
| Supply  |  |  | 2028          | 2029          | 2030          |
| <b>Normal</b>   |  |  |               |               |               |
| Local Supply  |  |  | 15,057        | 15,102        | 15,134        |
| Imported Supply   |  |  | 12,577        | 12,563        | 12,546        |
| <b>Supply Totals</b>  |  |  | <b>27,633</b> | <b>27,665</b> | <b>27,680</b> |
| <b>Multiple Dry Year</b>  |  |  |               |               |               |
| Local Supply  |  |  | 14,708        | 13,261        | 13,604        |
| Imported Supply   |  |  | 14,779        | 15,432        | 15,617        |
| <b>Supply Totals</b>  |  |  | <b>29,487</b> | <b>28,694</b> | <b>29,221</b> |
| % of projected normal   |  |  | 106.7%        | 103.7%        | 105.6%        |

| Table 59<br>Projected demand multiple dry year period ending in 2030 - AFY |  |  |               |               |               |
|--|--|--|---------------|---------------|---------------|
| Demand   |  |  | 2028          | 229           | 2030          |
| <b>Normal</b>  |  |  | <b>27,633</b> | <b>27,665</b> | <b>27,680</b> |
| <b>Multiple Dry Year</b>   |  |  | <b>29,487</b> | <b>28,694</b> | <b>29,221</b> |
| % of projected normal  |  |  | 106.7%        | 103.7%        | 105.6%        |

| Table 60<br>Projected Supply and Demand Comparison during multiple dry year period ending in 2030- AF Year |  |  |        |        |        |
|--|--|--|--------|--------|--------|
|  |  |  | 2028   | 2029   | 2030   |
| <b>Supply totals</b>   |  |  | 29,487 | 28,694 | 29,221 |
| <b>Demand totals</b>   |  |  | 29,487 | 28,694 | 29,221 |
| <b>Difference</b>  |  |  | 0      | 0      | 0      |
| <b>Difference as % of Supply</b>   |  |  | 0.0%   | 0.0%   | 0.0%   |
| <b>Difference as % of Demand</b>   |  |  | 0.0%   | 0.0%   | 0.0%   |

**Provision of Water Service Reliability section to cities/counties within service area**

**(Water Code § 10635(b))**

**YES** Provided Water Service Reliability section of UWMP to cities and counties within which it provides water supplies within 60 days of UWMP submission to DWR

Chapter 1, Page 1-5

**Does the Plan Include Public Participation and Plan Adoption**

**(Water Code § 10642)**

**YES** Attach a copy of adoption resolution

Appendix A

|                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Encourage involvement of social, cultural & economic community groups |
| <input checked="" type="checkbox"/> | Plan available for public inspection                                  |
| <input checked="" type="checkbox"/> | Provide proof of public hearing                                       |
| <input checked="" type="checkbox"/> | Provided meeting notice to local governments                          |

Chapter 1, Pages 1-5 through 1-7  
Chapter 1, Pages 1-5 through 1-7  
Board of Directors Meeting Minutes  
Chapter 1, Page 1-6

#### Review of implementation of 2000 UWMP

#### (Water Code § 10643)

|                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Reviewed implementation plan and schedule of 2000 UWMP        |
| <input type="checkbox"/>            | Implemented in accordance with the schedule set forth in plan |
| <input type="checkbox"/>            | 2000 UWMP not required  |

Chapter 1, Page 1-5  
No schedule was set forth in the plan  
Chapter 1, Pages 1-5, 1-8

#### Provision of 2005 UWMP to local governments

#### (Water Code § 10644 (a))

|                                     |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Provide 2005 UWMP to DWR, and cities and counties within 30 days of adoption |
|-------------------------------------|--|

Adoption is scheduled for 12/22/2005

#### Does the plan or correspondence accompanying it show where it is available for public review

#### (Water Code § 10645)

|                                     |  |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Does UWMP or correspondence accompanying it show where it is available for public review |
|-------------------------------------|--|

Chapter 1, Page 1-6